

## Bovine Leptin (LEP) ELISA Kit

Catalog No: #EK21664

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## Description

Product Name	Bovine Leptin (LEP) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Bovine
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

## Application Details

Detect Range:3.12 ng/mL - 50 ng/mL

Sensitivity:1.56 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 &amp;micro;L

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to LEP. Standards or samples are added to the appropriate microtiter plate wells with biotin-conjugated LEP. A competitive inhibition reaction is launched between LEP (Standards or samples) and biotin-conjugated LEP with the pre-coated antibody specific for LEP. The more amount of LEP in samples, the less antibody bound by biotin-conjugated LEP. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Substrate solution is added to the wells and the color develops in opposite to the amount of LEP in the sample. The color development is stopped and the intensity of the color is measured.

**Note:** This product is for in vitro research use only and is not intended for use in humans or animals.